Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Monday 17 Jul 2023 until 23:59 on Tuesday 18 Jul 2023

Forecast Issued on Monday 17 Jul 2023 at 02:21

Confidence: High for the continuing unsettled and rather cool theme this week, but lower for shower distribution and cloud details.

Headline for Monday 17 Jul 2023: Sunny spells and heavy thundery showers, these easing during the afternoon.

Mountain weather hazards on Monday 17 Jul 2023

Blizzards
No Likelihood

Gales
No Likelihood

Thunderstorms
Medium Likelihood

Heavy persistent snow
No Likelihood

Severe chill effect
No Likelihood

Heavy persistent rain
Low Likelihood

Storm force winds
No Likelihood

Poor visibility
Low Likelihood

Strong sunlight
High Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Thundery showers	Thundery showers	Thundery showers	Sunny	Sunny	Partly cloudy (night)
Precipitation probability					
40%	40%	40%	20%	10%	<05%

Forecast for Monday 17 Jul 2023

Weather: Scattered showers continuing through the morning, these occasionally heavy and thundery at first. Showers becoming lighter and less frequent by lunchtime, then largely dying away during the afternoon. Mostly cloudy at first, but sunny spells gradually developing by the afternoon. Winds lighter than Sunday.

Chance of cloud-free hill tops above 600m: 40% at first, becoming near 100% by mid-afternoon.

Low cloud and visibility: Visibility generally good, but poor in heavier showers, and very poor in low cloud covering the hills with nearby landmarks obscured. Periods of cloud with base 400-500m at first, perhaps down to 300m in heavier showers. This lifting during the morning to be above the peaks for the afternoon.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Monday 17 Jul 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	15/19 SW	15/20 SW	18/24 W	20/26 W	17/23 W	10/16 W	9/12 SW
300	12/16 SW	11/16 W	12/17 W	15/22 W	11/17 W	7/11 W	6/9 SW
Valley	7/15 SW	8/16 SW	10/19 W	13/23 W	9/17 W	4/12 W	3/8 S

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	9/6	10/7	11/8	13/9	12/9	11/9	10/8
300	11/9	12/10	14/11	15/12	15/13	14/12	12/11
Valley	12/11	13/12	15/13	17/14	16/14	13/12	11/11
Freezing Level*	2000m	2000m	2000m	1900m	1900m	2000m	2100m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

A day of two halves, so layers may be needed. Generally cloudy with some heavy showers at first, but this giving way to allow plenty of strong sunshine during the afternoon.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Mon 17 Jul 2023	4mm	27.4mm	32.8mm

Forecast for Tuesday 18 Jul 2023

Weather: Mostly clear through the early hours, but clouding over towards dawn. Outbreaks of mainly light rain during the morning, becoming heavier and more widespread during the afternoon and evening.

Maximum wind: Southwest 10-15 mph, gusting 20-25 mph.

Chance of cloud-free hill tops above 600m: 90%, becoming 40% by the afternoon.

Low cloud and visibility: Cloud increasing during the day, but largely above the summits during the morning. Cloud base decreasing to around 400-600m during the afternoon. Visibility moderate to poor in rain, very poor in low cloud covering the hills, but good away from cloud and rain.

Temperature: **Valleys:** Plus 9C becoming plus 18C
At 600m: Plus 11C
Freezing level: Above the summits.

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